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11. (Amended) The glycoprotein antigen according to Claim 10, wherein said glycoprotein antigen reacts with MAA lectin and PNA lectin but does not react with GNA lectin, SNA lectin, and DSA lectin.

12. (Amended) An immunoassay method for diagnosis of human lung adenocarcinoma which comprises contacting a sample suspected of containing human lung adenocarcinoma cells with a diagnostically effective amount of said monoclonal antibody or a fragment thereof of claim 10, and determining whether said sample contains human adenocarcinoma cells based on the binding or absence of binding of the glycoprotein antigen in said sample to said monoclonal antibody.

13. (Amended) The immunoassay method according to Claim 12, wherein the isotype of said monoclonal antibody is IgM.

15. (Amended) The immunoassay method according to Claim 12, wherein said antibody is a Fab, F(ab)₂ or Fv fragment.